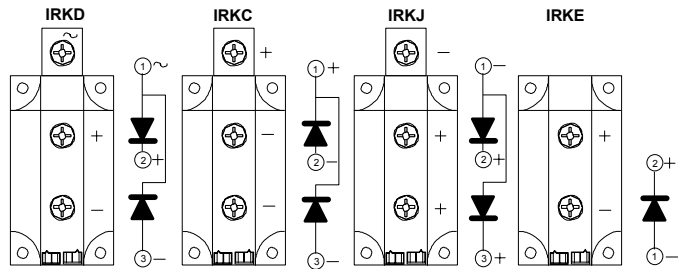


Case Style :DOUBLE TOP



MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise)		* Insert "D" "C" "J" or "E" for circuit configuration							
Parameter	Symbol	IRK(*) 320-04	IRK(*) 320-08	IRK(*) 320-12	IRK(*) 320-16	IRK(*) 320-20	IRK(*) 320-24	IRK(*) 320-30	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	800	1200	1600	2000	2400	3000	Volt
Maximum RMS On-State Current	I _{F(RMS)}	502							Amp
Maximum Average On-State Current	I _{F(AV)}	320 at TC=100°C							Amp
Peak Forward Surge Current 8.3 mS	I _{FSM}	10580							Amp
Maximum I ² T for Fusing	I ² T	466							A ² /S
Maximum Storage Temperature Range	T _(STG)	-40 to +150							°C
Maximum Junction Temperature Range	T _j	-40 to +150							°C

ELECTRICAL CHARACTERISTICS at 25 °C Maximum Unless Stated Otherwise				Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max		
Maximum Forward Voltage	V _{FM}				1.28	Volt	
Repetitive Peak Off- State Current at TC=150°C	I _{RRM}	V _R = V _{RRM}			50.0	mA	
Thermal Resistance (Junction to Case)	R _{TH (J-C)}				0.16	°C/W	
Mounting Torque	M _T				6.0	NM	
Weight	Wt				800	grms	

